From:	TARNOW Karen E
To:	Amanda Shellenberger; Carl Stivers; Kristine Koch/R10/USEPA/US@EPA
Cc:	Andy Koulermos; dawns@bes.ci.portland.or.us; Dennis Hanzlick; LindaSC@BES.CI.PORTLAND.OR.US; ljones@integral-corp.com; Shawn Hinz; Simon Page; Eric Blischke/R10/USEPA/US@EPA; Chip Humphrey/R10/USEPA/US@EPA
Subject:	Sampling at OSM
Date:	02/12/2007 01:29 PM

I'm sitting here with Kristine. We recommend sampling at 001. The groundwater component isn't an issue, because it's representative of what has been coming out of the pipe. In addition, at outfall 003, DEQ and EPA are currently reviewing OSM's workplan for the treatment pond and expect to be requiring some sort of monitoring both before and after the pond. Although no decisions have been made yet about what kind of sampling will be done, it is likely that it would provide some amount of useful information relative to the RI data objectives.

Karen

-----Original Message-----
From: Amanda Shellenberger [mailto:ashellenberger@anchorenv.com]
Sent: Monday, February 12, 2007 8:49 AM
To: Carl Stivers; Koch.Kristine@epamail.epa.gov
Cc: Andy Koulermos; dawns@bes.ci.portland.or.us; Dennis Hanzlick; LindaSC@BES.CI.PORTLAND.OR.US; ljones@integral-corp.com; Shawn Hinz; Simon Page; TARNOW Karen E; blischke.eric@epa.gov; humphrey.chip@epamail.epa.gov
Subject: RE: Portland Harbor RI/FS Stormwater FSP for EPA/LWG Approval

Team--

Here is my understanding of the current status of the Oregon Steel Mills Basins, per Merv Coover from Retec:

Outfall 001 receives a significant portion of total flow (approx. 20% from an area equipped with a Vortech and Stormfilter in a series configuration (Basin D). This equipment was installed early in 2006. Also, this outfall discharges an appreciable amount of groundwater year round due to infiltration into damaged sections of pipe. OSM is looking into the feasibility of repairing the pipe and eliminating the groundwater infiltration. This work would occur summer 2007 at the earliest. I expect that one would need to consider the existing groundwater infiltration and factor it into any sampling and data interpretation scheme.

Outfall 002 drains to the City-owned storm sewer in Ramsey Blvd. south of the plant. This water ultimately discharges to the river at Outfall 053A. OSM's recent plant expansion work in the basins (D, G and I) draining to this outfall resulted in significant storm water source control consisting of infrastructure and BMP upgrades.

There is a Vortech hydrodynamic separator on the main trunk line leading to Outfall 003. This device does little more than remove grit and floatable debris. While this is technically "treatment", it has no effect on dissolved constituents. Further, the solids removal capability of the device is limited to large grain sizes which are generally not expected to carry the majority of sorbed organic constituents anyway. OSM has been working with DEQ to implement a phased source control program which, in part, involves routing storm water runoff from Basins A and E through a gravity settling basin prior to discharge at Outfall 003. Plans call for having the settling basin on-line this winter.

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-----Original Message-----
From: Carl Stivers
Sent: Monday, February 12, 2007 8:16 AM
To: Koch.Kristine@epamail.epa.gov
Cc: Andy Koulermos; Amanda Shellenberger; dawns@bes.ci.portland.or.us; Dennis Hanzlick; LindaSC@BES.CI.PORTLAND.OR.US; ljones@integral-corp.com; Shawn Hinz; Simon Page; TARNOW Karen E; blischke.eric@epa.gov; humphrey.chip@epamail.epa.gov
Subject: RE: Portland Harbor RI/FS Stormwater FSP for EPA/LWG Approval

Kristine -

I agree that you have identified the range of options. I think option 3 is a substantial departure from what we would be doing at other sites, so I am not in favor of that one. The others I am pretty non-biased about and would seek input from the Technical Team on preferences. However, before you vote, Amanda Shellenberger is developing some

information in response to Karen's questions on the OSM outfalls. Take a look at that first when it comes out and then let me know what your preferences are. Thanks.

Carl

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-----Original Message-----
From: Koch.Kristine@epamail.epa.gov
[mailto:Koch.Kristine@epamail.epa.gov]
Sent: Friday, February 09, 2007 10:22 AM
To: Carl Stivers
Cc: Andy Koulermos; Amanda Shellenberger; dawns@bes.ci.portland.or.us; Dennis Hanzlick; LindaSC@BES.CI.PORTLAND.OR.US; ljones@integral-corp.com; Shawn Hinz; Simon Page; TARNOW Karen E; blischke.eric@epa.gov; humphrey.chip@epamail.epa.gov
Subject: RE: Portland Harbor RI/FS Stormwater FSP for EPA/LWG Approval

Carl - The purpose of this years data is to correlate discharges of stormwater with fish tissue data. Since the fish tissue data is based on current sources, any source control action would affect that data. Therefore, I believe that monitoring Outfall 003 (WR-24) at OSM will not fulfill this data objective because they are adding a treatment process to that outfall which would eliminate sources that were occurring when the fish tissue data was collected. The data from that outfall, however, should be used for the recontamination analysis for the FS. Performance monitoring by OSM should be able to provide LWG with the data necessary for the FS as long as the data collected is as described in the LWG Stormwater FSP. Consequently, I see four options with getting data for the fish tissue objective from the OSM site: 1) Monitor Outfall 001 (WR-22); 2) Monitor upstream of the new treatment system (if feasible); 3) Take the highest soil sample in the drainage basin and multiply it by their TSS and runoff rates; or 4) skip it all together.

Kristine Koch
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Carl Stivers <cstivers@anchorenv.com>		To
02/07/2007 10:02 AM		Andy Koulermos <akoulermos@newfields.com>, dawns@bes.ci.portland.or.us, TARNOW Karen E <TARNOW.Karen@deq.state.or.us>, ljones@integral-corp.com, LindaSC@BES.CI.PORTLAND.OR.US, Kristine Koch/R10/USEPA/US@EPA
		cc
		Amanda Shellenberger <ashellenberger@anchorenv.com>, Dennis Hanzlick <dhanzlick@anchorenv.com>, Shawn Hinz <shinz@anchorenv.com>, Simon Page <spage@anchorenv.com>
		Subject
		RE: Portland Harbor RI/FS Stormwater FSP for EPA/LWG Approval

Stormwater Technical Team -

Amanda Shellenberger discussed the OSM outfalls with OSM folks. Given that both outfalls have some form of treatment and WR-24 appears to have less treatment, we propose that WR-24 (the one originally designated by

the management team) continue to be the one that is sampled at OSM. This is the location that is shown in the FSP that was just sent out. We are continuing with other new site recons. this week including confirmation of St. Johns bridge and Hwy 30 locations and working on finding a spot within OF-18 basin.

Also, FYI that GE is being some what reluctant and we hope to have go ahead from Schnitzer today to do the recon only. They have not yet agreed to give us access for the actual sampling.

Thanks.

Carl

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